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*Tulane University*, New Orleans, La. Dr. Isadore Dyer, Dean. Provision statedly for research in annual appropriations, not over \$1,000 per annum.

*Columbia University*, New York, N. Y. College of Physicians and Surgeons. Dr. S. W. Lambert, Dean. William T. Bull Memorial Fund. \$32,100. Income available for research in surgery. Vanderbilt Clinic Endowment Fund. \$115,000.

George Crocker Special Research Fund. Dr. F. C. Wood, Director. \$1,441,150. Income available for cancer research.

*Cornell University*, New York, N. Y. Dr. W. M. Polk, Dean. Sage Foundation Fund for research in calorimetry in connection with ward patients. Occasional funds contributed for particular research work. There are four research fellowships in medicine.

*Rockefeller Institute for Medical Research*, New York, N. Y. Dr. Simon Flexner, Director. Endowment Fund 1912, \$8,443,450.

*University of Pennsylvania*, Philadelphia, Pa. Dr. Wm. Pepper, Dean.

Robert Robinson Porter Fellowships in Research Medicine. \$600 per annum. To be devoted to "investigation in medical sciences."

Robert M. Girvin Fellowship in Research Medicine. \$650 per annum. Purpose similar to Porter Fellowship.

Henrietta Hecksher Fellowship in Medical Research. \$500 per annum.

*University of Pittsburgh*, Pittsburgh, Pa. Dr. Thomas Shaw Arbutnot, Dean. Mellon Fellowships. (1) \$750 per annum. Open to graduates in medicine for research in the department of pathology. (2) \$600 per annum for research in electrocardiography with clinical study of diseases of the heart.

*Washington University*, St. Louis, Mo. Dr. P. A. Schaffer, Dean. Provision for research made in departmental appropriations.

*University of California*, San Francisco, Calif. Dr. H. C. Moffet, Dean. Hooper Foundation. \$50,000 annually for medical research. Approximately \$1,000 appropriated annually from budget for research in anatomy, physiology and pathology. Department of medicine, \$500 annually. Department of surgery, \$800 annually. Department of pediatrics, \$600 annually. Department of obstetrics and gynecology, \$500 annually. Research position in department of pathology, \$1,200 per annum.

*Leland Stanford Jr. University*, San Francisco,

Calif. Dr. R. L. Wilbur, President. Coffin Research Fund for study of Tropical Diseases. Amounts for particular departments included in budget.

*University of Toronto*, Toronto, Canada. Robert Falconer, President. Medical Research Fund yields \$15,000 per annum. Surgical Research Fund yields \$1,000 per annum.

CHARLES R. CROSS,  
Chairman

## THE SECOND NATIONAL EXPOSITION OF CHEMICAL INDUSTRIES

THE Second National Exposition of Chemical Industries will be held at the Grand Central Palace, New York City, during the week of September 25-30, 1916. The Advisory Committee of the Exposition is as follows: Chas. H. Herty, *chairman*, Raymond F. Bacon, L. H. Baekeland, Henry B. Faber, Francis A. J. Fitzgerland, Bernard C. Hesse, A. D. Little, R. P. Perry, Wm. Cooper Procter, E. F. Roeber, George D. Rosengarten, T. B. Wagner, Utley Wedge, M. C. Whitaker and Charles F. Roth and Adriaan Nagelvoort, managers.

The roster of exhibitors includes most of the leading companies doing business with those industries wherein chemistry plays a part. From this list it appears that the exposition is already twice the size of its successful predecessor.

The managers anticipate an even greater number of visitors to attend this second exposition. The chemical and engineering societies that last year had their attention divided with the attractions of the exposition and the engineering congresses on the Pacific coast, have this year united and arranged to hold their annual meetings in New York during and in conjunction with the exposition.

The American Chemical Society will hold its annual meeting during the whole week—the program for the meeting is now being arranged and the committees appointed. The American Electrochemical Society has arranged to hold its meetings the latter part of the week, September 28, 29 and 30. The Technical Association of the American Pulp and Paper Industry is arranging its meeting for this week, and other societies are expected to hold meetings.

The Bureau of Commercial Economics at Washington is again cooperating with the exposition by arranging an elaborate program of motion pictures covering subjects dealing with the industries depending on chemistry. A few of the films that appear on the tentative program are: The match industry, the rubber industry, manufacture of explosives, varnish manufacture, silver mining, mining and manufacturing of iron, making of blotting paper, accident and fire prevention, manufacture and use of fertilizers and manufacture of steel.

### SCIENTIFIC NOTES AND NEWS

THE dispensary building of the Orthopedic Hospital and Infirmary for Nervous Diseases, Philadelphia, has been formally dedicated to the memory of Dr. S. Weir Mitchell, one of the founders of the institution and for many years head of the hospital staff. At the entrance of the dispensary is a stone tablet on which is inscribed in bronze letters, "S. Weir Mitchell Memorial, Philadelphia Orthopedic Hospital and Infirmary for Nervous Diseases, 1915." A bronze tablet in the main waiting room states that the building is dedicated to the memory of Dr. Mitchell by his friends and patients. The address was delivered by the dean of American surgeons, Dr. William W. Keen, who was a close friend and associate of Dr. Mitchell for a period of more than fifty years.

ATTENTION is called in *Nature* to the fact that on June 24, the Rt. Hon. Henry John Moreton, Earl of Ducie, F.R.S., entered on his ninetieth year, having been born in 1827. He is the senior fellow of the Royal Society in point of election to that body, this dating from 1855. When Lord Moreton, he obtained from the Jurassic limestone of Burford the fossil species of star-fish named by Professor Edward Forbes *Solaster moretoni*, in honor of the finder. In connection it may be mentioned that Sir Robert Palgrave, F.R.S., entered on his ninetieth year in the early part of May, while Sir William Crookes attained the age of eighty-four on June 17.

WILLIAM MORTON WHEELER, professor of economic entomology and dean of the faculty of

the Bussey Institution, of Harvard University, and Otto K. O. Folin, Hamilton Kuhn professor of biological chemistry in the Harvard Medical School, were given the doctorate of science at the University of Chicago convocation celebrating its twenty-fifth anniversary.

At the quarter-centennial convocation of the University of Chicago, the honorary doctorate in science was conferred on John M. Clarke, state geologist of New York.

DR. WILLIAM H. HOLMES, chief of the Bureau of American Ethnology, and Dr. Aleš Hrdlička, of the U. S. National Museum, have been made corresponding associates of the Academia Nacional de Historia de Colombia.

At a meeting of the Texas chapter of the Society of the Sigma Xi, on June 5, Dr. Frederick W. Simonds, professor of geology in the University of Texas, was elected president for the year. Dr. Simonds was one of the first five graduate students elected to membership in the Cornell chapter.

THE Yale Chapter of Sigma Xi has elected Professor R. S. Lull, president, and Professor W. R. Longley, vice-president, for the coming academic year.

DR. AXEL GAVELIN has been appointed director of the Swedish Geological Survey.

SIGNOR LEONARDO BIANCHI is a member of the new Italian ministry as a representative of the party he leads—that of the Constitutional Democrats. He is professor of psychiatry in the University of Naples and director of the university clinic for nervous and mental diseases, and it is understood that he will devote himself to hygienic and social problems arising out of the war.

PROFESSOR ALFRED STENZEL has been placed in charge of a clinic at the hospital of the University of Pennsylvania for the exclusive study of industrial and occupational diseases.

MR. FRANCIS HARPER has joined the staff of the Biological Survey of the U. S. Department of Agriculture.

DR. WILLARD J. FISHER, whose withdrawal from the department of physics at New Hampshire College was recently noted in *SCIENCE*, has been appointed honorary fellow in phys-